

Please cancel claims 1-13 and 15-18 and add claims 19-39. A complete listing of the claims in a revised format now permitted by the USPTO (revision to 37 CFR 1.121) is set forth below.

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Currently amended) A method for identifying compounds which inhibit, stimulate, or bind to ADAMTS-E comprising:
  - (a) contacting a candidate compound with cells expressing an ADAMTS-E polypeptide of claim 19 5, or with cell membranes from cells expressing said ADAMTS-E polypeptide, or the media conditioned by cells expressing said polypeptide, or a purified composition of said polypeptide; and
  - (b) determining inhibition or stimulation of an ADAMTS-E activity, or binding of said candidate compound to said polypeptide.
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)

18. (Cancelled)

19. (New) A purified polypeptide having an amino acid sequence comprising an amino acid sequence having at least 90% identity to the amino acid sequence of the metalloproteinase domain of SEQ ID NO: 2.

20. (New) The polypeptide of claim 19 having an amino acid sequence comprising an amino acid sequence having at least 95% identity to the amino acid sequence of the metalloproteinase domain of SEQ ID NO: 2.

21. (New) The polypeptide of claim 19 having an amino acid sequence comprising an amino acid sequence having at least 97% identity to the amino acid sequence of the metalloproteinase domain of SEQ ID NO: 2.

22. (New) The polypeptide of claim 19 having an amino acid sequence comprising an amino acid sequence having at least 99% identity to the amino acid sequence of the metalloproteinase domain of SEQ ID NO: 2.

23. (New) The polypeptide of claim 19 having an amino acid sequence comprising an amino acid sequence of the metalloproteinase domain of SEQ ID NO: 2.

24. (New) The polypeptide of claim 19 comprising the amino acid sequence of SEQ ID NO: 2.

25. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 90% identity to the amino acid sequence of the disintegrin domain of SEQ ID NO 2.

26. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 95% identity to the amino acid sequence of the disintegrin domain of SEQ ID NO: 2.
27. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 97% identity to the amino acid sequence of the disintegrin domain of SEQ ID NO: 2.
28. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 99% identity to the amino acid sequence of the disintegrin domain of SEQ ID NO: 2.
29. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence of the disintegrin domain of SEQ ID NO: 2.
30. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 90% identity to the amino acid sequence of the prodomain of SEQ ID NO 2.
31. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 95% identity to the amino acid sequence of the prodomain of SEQ ID NO: 2.
32. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 97% identity to the amino acid sequence of the prodomain of SEQ ID NO: 2.

33. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 99% identity to the amino acid sequence of the prodomain of SEQ ID NO: 2.
34. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence of the prodomain of SEQ ID NO: 2.
35. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 90% identity to the amino acid sequence of the thrombospondin domain of SEQ ID NO 2.
36. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 95% identity to the amino acid sequence of the thrombospondin domain of SEQ ID NO: 2.
37. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 97% identity to the amino acid sequence of the thrombospondin domain of SEQ ID NO: 2.
38. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence having at least 99% identity to the amino acid sequence of the thrombospondin domain of SEQ ID NO: 2.
39. (New) The polypeptide of claim 19 having an amino acid sequence further comprising an amino acid sequence of the thrombospondin domain of SEQ ID NO: 2.